

ABSTRACT OF THE DISCLOSURE

To provide a slitting method of a battery separator-use resin film object that is less susceptible to occurrences of holes and tearing at the time of a slitting process. A slitting device, which is provided with a feeding roll 51 for feeding a film that is wound up to a role with its rotational velocity being controlled, a razor blade for slitting the film to a predetermined width, a sensor for detecting a tension of the film and winding rolls for winding the film up while controlling its tension, is used for carrying out a slitting process in a manner so as to satisfy the following conditions (1) and (2): (Condition 1) $5 \times 9.8 \times 10^4 \leq TL \leq 5 \times 9.8 \times 10^5$ (Condition 2) $1 \leq R/T \leq 5$ where L is a thickness (m) of the film object, R is a rotational velocity (m/min) of the feeding roll and T is a tension (N/m) of the film object after having been subjected to the slitting operation.